

Abstract

**METHODS FOR TREATING AND PREVENTING INSULIN RESISTANCE AND
RELATED DISORDERS**

The invention provides methods, therapeutics and kits for treating and preventing diseases or conditions associated with excessive lipolysis, in particular TNF- α induced lipolysis, and/or excessive free fatty acid levels. Exemplary conditions include insulin-resistance, diabetes, in particular NIDDM, obesity, glucose intolerance, hyperinsulinemia, polycystic ovary syndrome, and coronary artery disease. In a preferred embodiment, the method includes administering to a subject in need a pharmaceutically effective amount of an inhibitor of the JNK signal transduction pathway and/or an inhibitor of the MAPK/ERK signal transduction pathway .

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